SONY

2-597-872-**44**(1)

AV Center
多媒体影音中心

Installation/connections GB

安装／线路连接 CS

Notice to dealers and installers
Please return this manual to the customer after the installation is completed.

经销商和安装者请注意
请在安装完成后把本手册交还给用户。

XAV-A1
XAV-C1

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Precautions

Unit is designed for negative ground 12 V DC systems only

The unit cannot be used in trucks or other cars with 24 V systems. Otherwise, there is a risk of fire and damage.

Do not disassemble or remodel the unit

This can cause electric shock, personal injury or fire. Do not connect any other system's power supply cord to this unit's power supply cord directly. If you are in any doubt about the safe installation of this unit, please consult your nearest Sony dealer.

Do not install in locations which interfere with airbag operation

Otherwise there is a risk of accidents and injury.

Use only the specified fuse

When replacing the fuse, be sure to use only a fuse of the same rating (ampere rating). Otherwise there is a risk of fire.

Cautions

- Do not get the wires under a screw, or caught in moving parts (e.g. seat railing).
- Before making connections, turn the car ignition off to avoid short circuits.
- Connect the **yellow** and **red** power input leads only after all other leads have been connected.
- **Run all ground wires to a common ground point.**
- Be sure to insulate any loose unconnected wires with electrical tape for safety.

Notes on the power supply cord (yellow)

- When connecting this unit in combination with other stereo components, the connected car circuit's rating must be higher than the sum of each component's fuse.
- When no car circuits are rated high enough, connect the unit directly to the battery.

On safety

Comply with the Traffic Laws in your country.

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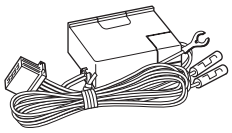
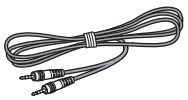
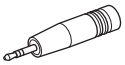
Parts List

The numbers in the list are keyed to those in the instructions.

① 

② 

③ 

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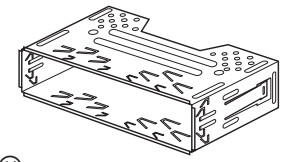
⑧ 

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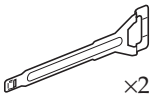
⑩  ×2

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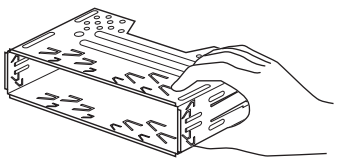
CAUTION

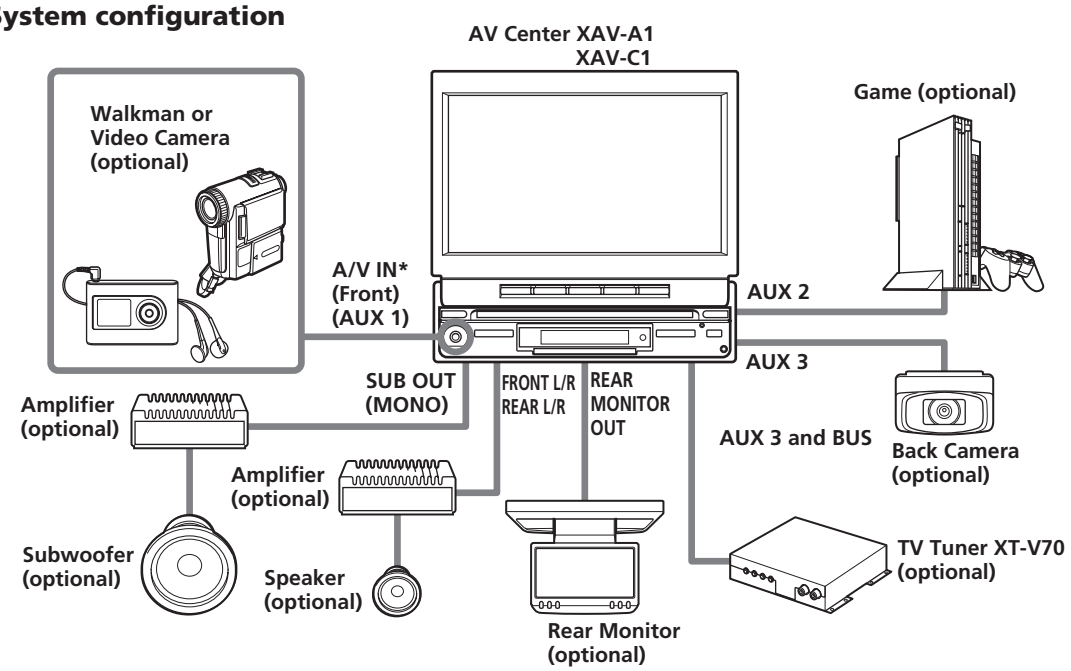
Handle the bracket ⑧ carefully to avoid injuring your fingers.



Connection Example

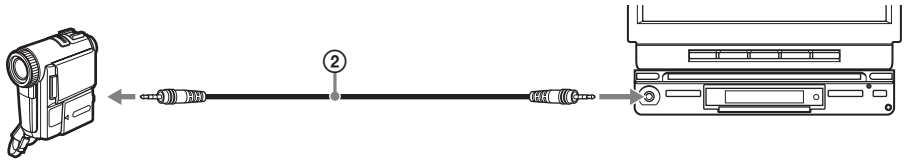
For details, see the section "1 Car Systems Connections" (pages 7 - 10). Be sure to refer also to the documentation for all other components in the system.

System configuration

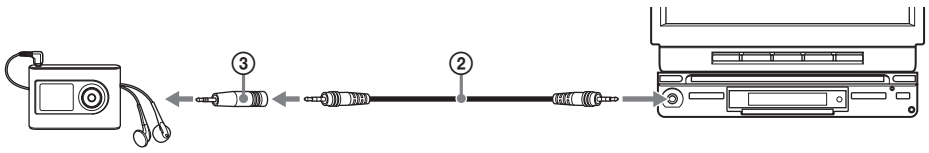


* Connect with supplied connecting cable ②. (Use a conversion plug ③ when you connect the audio equipment.)

When you connect the video camera



When you connect the audio player



Notes

- Be sure to connect the ground cord before connecting the amplifier.
- If you connect an optional power amplifier and do not use the built-in amplifier, the beep sound will be deactivated.

Connecting Information

For details, see the section "1 Car Systems Connections" (next page).

Notes

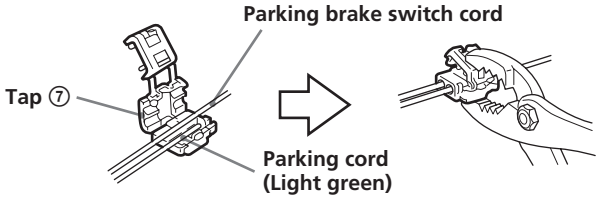
- Be sure to connect the power input cord after all other cords are connected.
- If the parking brake switch cord is too thin, connect the parking cord to the parking brake switch cord directly without using the tap.

Connecting the cords

Connect each cord using the taps. For the combination of each cord, see the following table. Also, see the section "1 Car Systems Connections" (next page).

Main unit side	Car side
Orange/white	Illumination signal cord
Purple/white	Power terminal cord of the back lamp
Light green	Parking brake switch cord

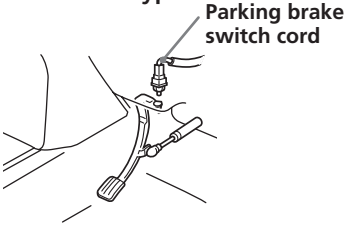
Using the tap



Connecting the parking cord

The mounting position of the parking brake switch cord depends on your car. Refer to the system connection illustrations below and consult your car dealer or your nearest Sony dealer for further details.

Foot brake type



Hand brake type

The cord for utilizing the back camera better

Purple/white cord (for the connection to the power terminal cord of the back lamp)

If you connect the purple/white cord to the power terminal cord of the back lamp, the image of back camera will be automatically displayed on the monitor when a back lamp lights up. You can adjust the parking location viewing the image of back camera when you backup.

1 Car Systems Connections

Refer also to the documentation for all other components in the system.

Also see “Connecting Information” on page 6.

- Components listed here except for supplied accessories are available separately. When connecting such components, be sure to also refer to their documentation.
  For specifications and other information on separately available components, contact your dealer.

Prevention of accidents caused by short-circuits

To prevent the risk of accidents caused by short-circuits, connect the power supply leads (red and yellow) only after all other wiring has been completed, and only with the ignition key in the OFF position. Otherwise, accidental short-circuiting can lead to electric shock and to serious damage.

When a fuse has blown, check the wiring and locate the cause of the problem before replacing the fuse. When replacing the fuse, be sure to use only a fuse of the same rating (ampere rating). Using a different fuse or bridging the contacts with wire is highly dangerous and can lead to serious damage.

Make sure to connect all of the following leads.

Otherwise there is a risk of electric shock, damage to the equipment, or malfunction.

- Connect purple/white lead to back lamp lead of car.
- Connect orange/white lead to illumination signal lead of car.
- Connect light green lead to parking brake switch lead of car.
- Connect yellow lead to battery power supply of car.
- Connect red lead to accessory power supply of car.
- Connect black lead to metal point on car chassis.

* **Do not mix up the yellow and red leads, as this will cause the memory contents to be lost.**

Observe the following precautions.

Otherwise there is a risk of electric shock, damage to the equipment, or malfunction.

- Cover unused connectors with electrician’s tape to prevent accidental contact.
- Route FM/AM antenna cable, bus cable, RCA interconnects, and power supply leads as far apart from each other as possible, to prevent noise interference.
- Always grasp the connector and do not pull the cable when disconnecting the bus cable or other cables. Otherwise the cable may become detached.

Notes on the control and power supply leads

- The power antenna control lead (blue) supplies +12 V DC when turn on the tuner.
- When your car has built-in FM / AM antenna in the rear / side glass, connect the power antenna control lead (blue) or the accessory power input lead (red) to the power terminal of the existing antenna booster. For details, consult your dealer.
- A power antenna without relay box cannot be used with this unit.

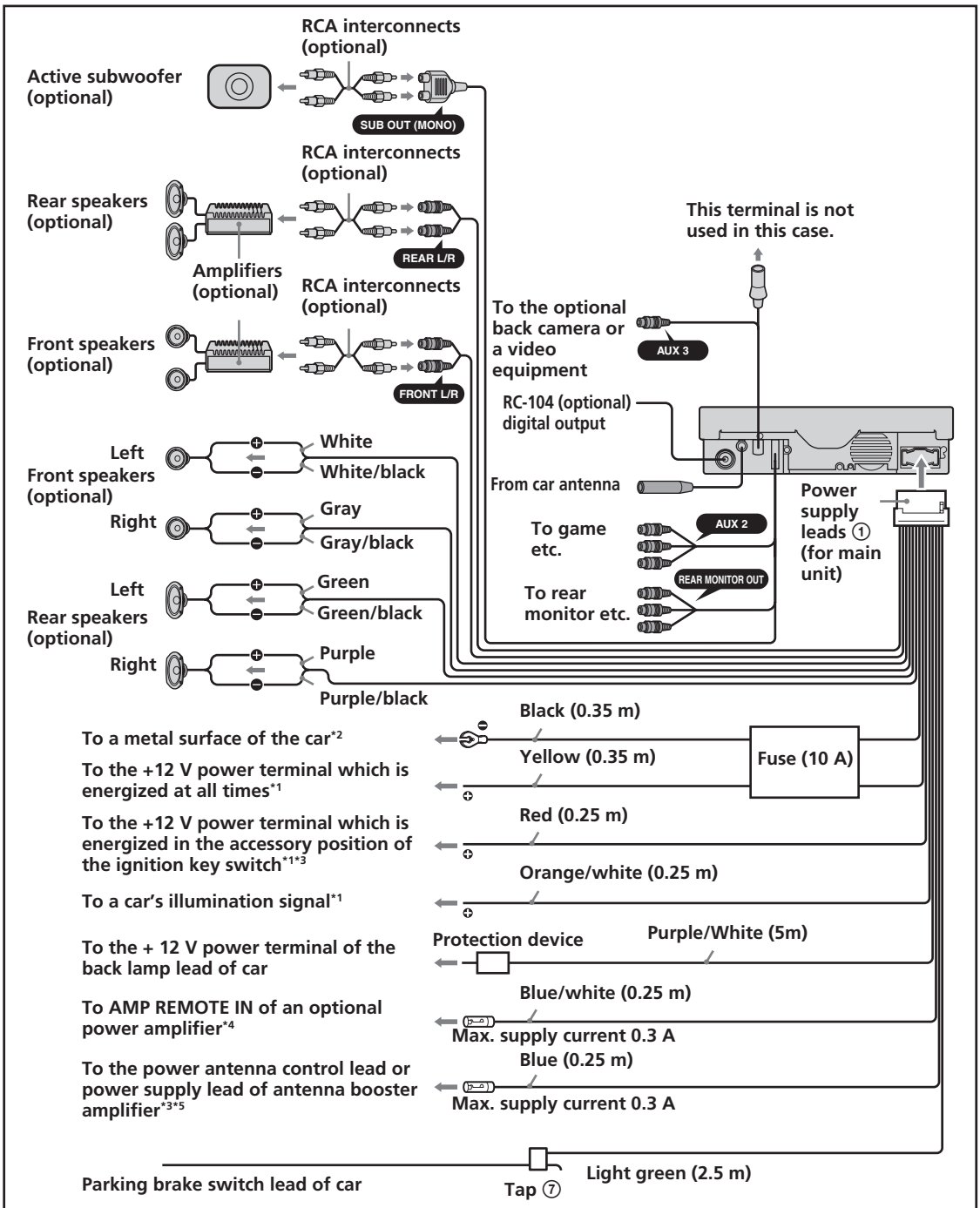
Memory hold connection

When the yellow power input lead is connected, power will always be supplied to the memory circuit even when the ignition key is turned off.

Notes on speaker connection

- Before connecting the speakers, turn the unit off.
- Use speakers with an impedance of 4 to 8 ohms, and with adequate power handling capacities to avoid its damage.
- Do not connect the speaker terminals to the car chassis, or connect the terminals of the right speakers with those of the left speaker.
- Do not connect the ground lead of this unit to the negative ⊖ terminal of the speaker.
- Do not attempt to connect the speakers in parallel.
- Connect only passive speakers. Connecting active speakers (with built-in amplifiers) to the speaker terminals may damage the unit.
- To avoid a malfunction, do not use the built-in speaker wires installed in your car if the unit shares a common negative ⊖ lead for the right and left speakers.
- Do not connect the unit's speaker cords to each other.

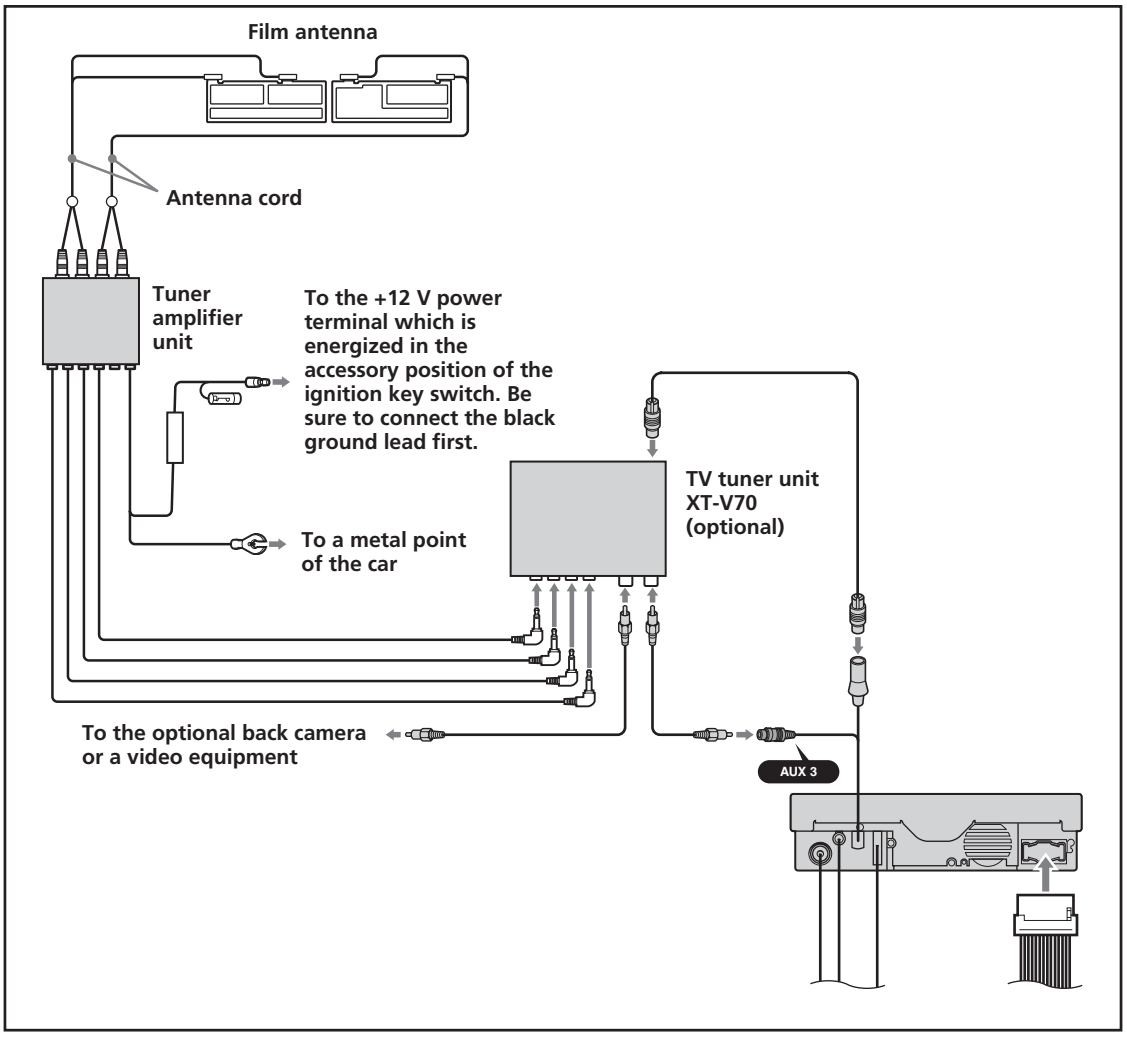
Connecting without optional TV tuner unit


RCA interconnects (optional)
Active subwoofer (optional)
SUB OUT (MONO)
RCA interconnects (optional)
Rear speakers (optional)
Amplifiers (optional)
REAR L/R
RCA interconnects (optional)
Front speakers (optional)
FRONT L/R
This terminal is not used in this case.
To the optional back camera or a video equipment
AUX 3
RC-104 (optional) digital output
From car antenna
To game etc.
AUX 2
To rear monitor etc.
REAR MONITOR OUT
Power supply leads ① (for main unit)
Left Front speakers (optional)
White
White/black
Right
Gray
Gray/black
Left Rear speakers (optional)
Green
Green/black
Right
Purple
Purple/black
To a metal surface of the car*2
Black (0.35 m)
To the +12 V power terminal which is energized at all times*1
Yellow (0.35 m)
Fuse (10 A)
To the +12 V power terminal which is energized in the accessory position of the ignition key switch*1*3
Red (0.25 m)
To a car's illumination signal*1
Orange/white (0.25 m)
To the + 12 V power terminal of the back lamp lead of car
Protection device
Purple/White (5m)
To AMP REMOTE IN of an optional power amplifier*4
Blue/white (0.25 m)
Max. supply current 0.3 A
To the power antenna control lead or power supply lead of antenna booster amplifier*3*5
Blue (0.25 m)
Max. supply current 0.3 A
Parking brake switch lead of car
Tap ⑦
Light green (2.5 m)

*1 Be sure to connect the black ground lead to it first.
*2 First connect the black ground lead, then connect the yellow and red power input leads.
*3 When your car has built-in FM/AM antenna in the rear/side glass, see "Notes on the control and power supply leads" (page 7).
*4 This connection is only for amplifiers. Connecting any other system may damage the unit.
*5 It is not necessary to connect this lead if there is no power antenna or antenna booster, or with a manually-operated telescopic antenna.

Note on the accessory power input lead (red)
If there is no accessory position, connect to the +12 V power (battery) terminal which is energized at all times.

Connecting with optional TV tuner unit


Film antenna
Antenna cord
Tuner amplifier unit
To the +12 V power terminal which is energized in the accessory position of the ignition key switch. Be sure to connect the black ground lead first.
To a metal point of the car
TV tuner unit XT-V70 (optional)
To the optional back camera or a video equipment
AUX 3

2 Installing the Main Unit

Installation angle
The unit should be installed within an angle of 30 degrees from horizontal. If this angle is exceeded, the monitor may not open up or retract properly.

After all connections are made, install the main unit to the dashboard.

Before installation

This unit is designed to be completely safe, but if not installed correctly, it can cause accidents. Be sure to verify the following points before installation.
Install the main unit to the in-dash location, and the amplifier unit under the navigator's seat, etc.

- If the monitor in the opened position is close to a air-conditioning outlet, the outlet should be closed.
- Install the unit so that the monitor when opened up will not block access to the hazard switch or other important controls.
- Do not install the unit (monitor) in locations which may be subject to excessively low or high temperatures. (Otherwise the unit may be deformed and the LCD may be damaged.) Exposure to direct sunlight can also lead to high temperatures and should be avoided.

Note
Keep the units and connection cables apart.

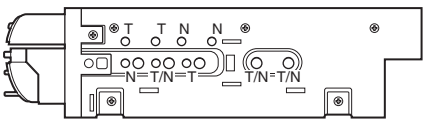
Selecting the installation location

1 Set the ignition key to OFF or remove it.

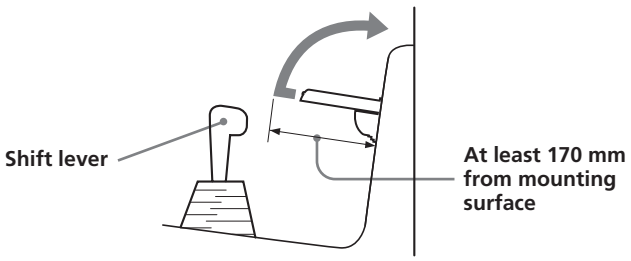
2 Place the units in their intended mounting locations to check the cable length and monitor installation conditions.

Installation procedure precautions

- Perform the installation carefully. Dropping the unit or otherwise subjecting it to strong impact or force may deform the chassis, resulting in failure of the monitor loading mechanism or other defects.



- To allow for proper opening and closing of the monitor, there must be a clearance of at least 170 mm between the closest position of the shift lever and the mounting surface for the unit.



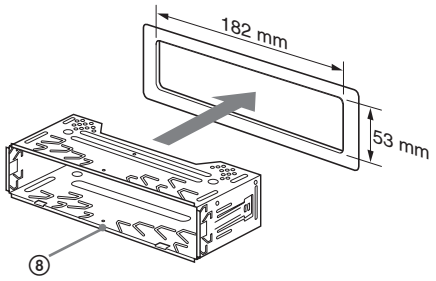
- In some cases, the shift lever may touch the monitor when moved to a certain position. Make sure that there is no obstruction to driving operations.
- When installing this unit together with other car audio equipment (single DIN slot size) in a stacked configuration, install the main unit on top.

Installation procedure

Mounting example

When installing this unit, be sure to close the monitor of the unit. If the monitor is opened while installing and given too much force, it may cause a malfunction.

1



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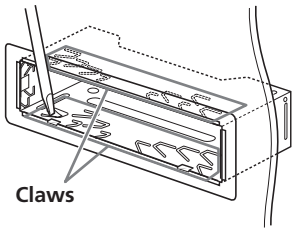

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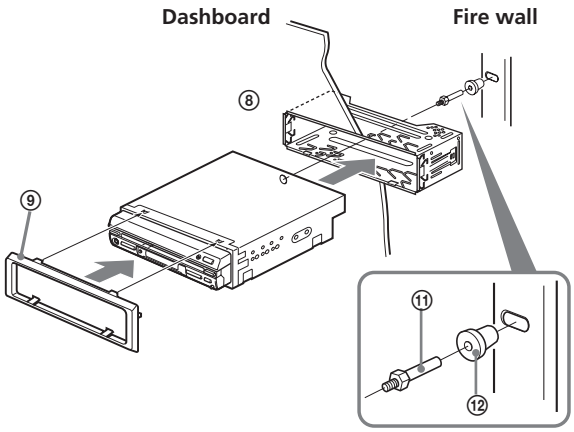
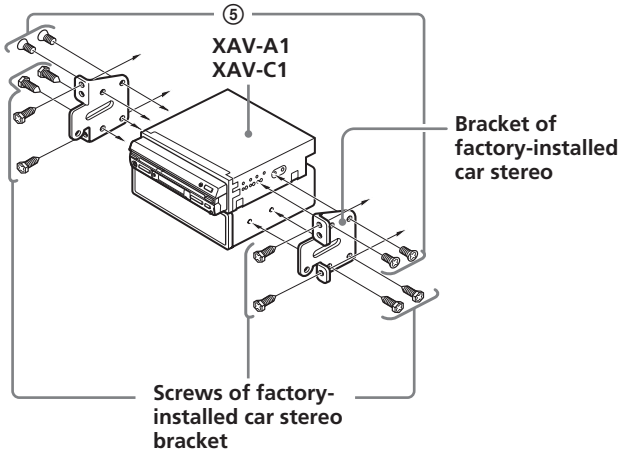


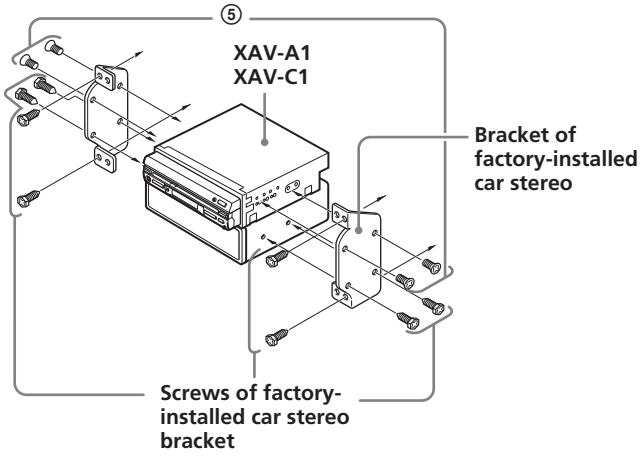
Toyota cars (illustration shows an example for a Toyota car)
Align the brackets of the factory-installed car stereo with the mounting holes marked "T" on the side of the main unit, and use the supplied screws ⑤ should be used.



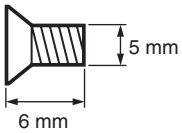
Notes

- Do not press the front panel buttons of the unit during installation and do not apply strong force.
- Do not place any objects on top of the unit.
- If a salient of the genuine bracket touches the unit due to its figure, and makes attachment hard, process the bracket by scraping the salient off.

Nissan cars
Align the brackets of the factory-installed car stereo with the mounting holes marked "N" on the side of the main unit, and use the supplied pan-head screws ⑤ to fasten the brackets.



* Be sure to use only the supplied pan-head screws ⑤ for installation. If any other screws are used, make sure they conform to the requirements shown below.
Using longer screws can cause internal damage to the unit.



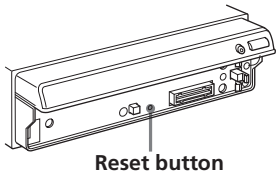
Damage can also occur if the screws are used directly on the unit without the brackets of the factory-installed car stereo.

3 After Installation and Connections

1 **Start the car's engine.**

2 **Verify that the brake lights, other lights, horn, turn indicators, and all other electrical parts operate normally.**

3 **Use a mechanical-pencil or similar to push the Reset button on the unit.**



When you press the Reset button, the system becomes operative.

Note
To avoid the possibility of damage, you should not use a needle or push the button too strongly.

操作前注意事项

本机仅用于负极接地的 12 V 直流电源系统

本机不能用于使用 24 V 系统的卡车或其他汽车上。否则，可能会导致火灾和损坏。

不要拆卸或改装本机

将可能引起触电、人身伤害或火灾。请勿将其他系统的电源线和本机电源线直接相连。如果对本机的安全安装有疑问，请向您附近的 Sony 经销商咨询。

不要在妨碍防护气囊操作的地方安装本机

否则，将可能导致事故和人身伤害。

只使用指定的保险丝

更换保险丝时，请务必使用相同规格的保险丝（电流规格）。否则，可能引起火灾。

注意

- 不要把电线压在螺钉下面或夹在移动部件（例如座位扶手）中。
- 在连接前，请把点火钥匙转到 off 以避免短路。
- 只有连接其他所有导线后，才能连接**黄色**和**红色**电源输入导线。
- **把所有地线连到一公共的接地点。**
- 为了安全起见，务必用电工胶带绝缘任何未连接的电线。

电源线(黄色)注意事项

- 当本机和其他立体音响部件连接时，连接的汽车电路额定电流必须大于每一部件保险丝额定电流的总和。
- 当汽车电路额定电流不够大时，可直接把本机连到电池上。

安全方面

请遵守您所在国家的交通法规。

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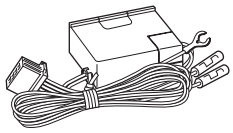
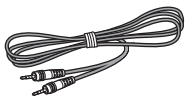
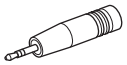
部件列表

列表中的号码和说明书中的号码相对应。

① 

② 

③ 

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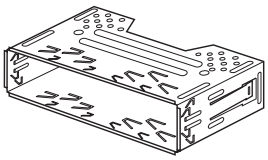
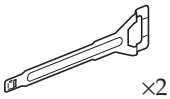
⑧ 

⑨

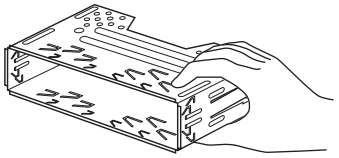
⑩ 
×2

⑪

⑫

注意

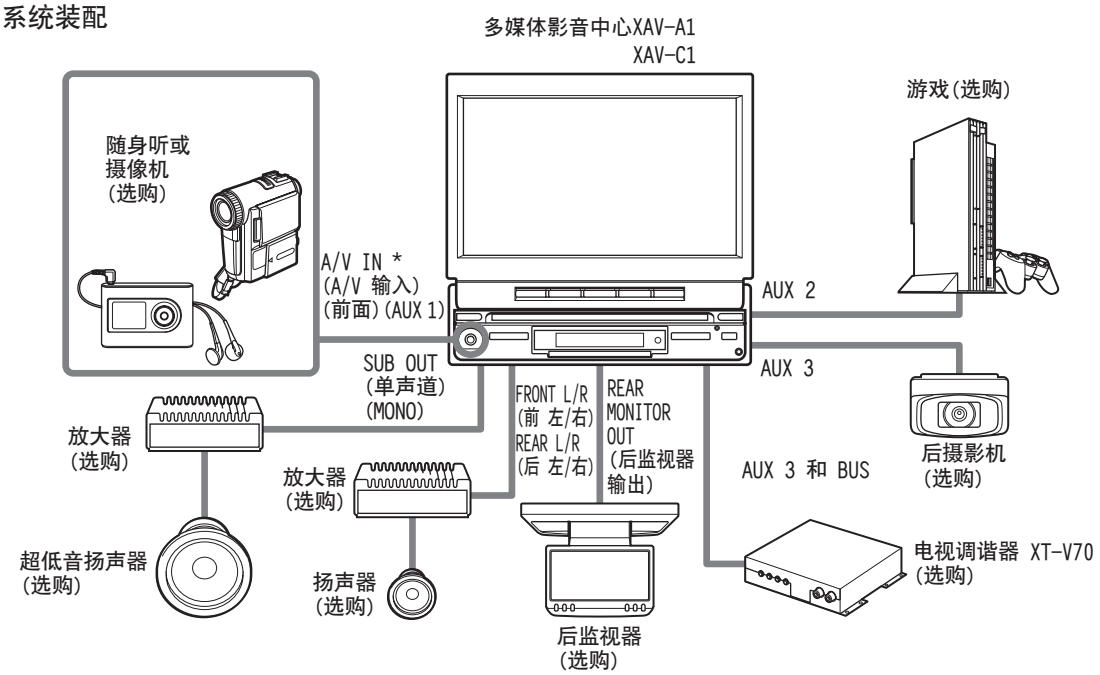
小心处置固定架 ⑧；
避免弄伤手指。



连接示例

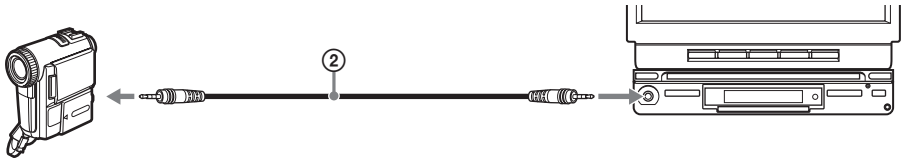
详细请参阅“1 汽车系统连接”（第7－10 页）。也必须参考系统中所有其他部件的说明书。

系统装配

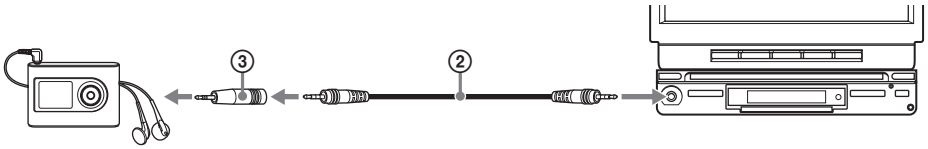


* 用附带的连接电缆 ② 连接。（当您连接音讯设备时，请使用转换插头 ③）

当您连接摄像机时



当您连接音讯播放机时



注意

- 连接放大器前，请务必事先连接地线。
- 如果连接一选购的电源放大器而不使用内置放大器，将不发出哔声。

连接信息

详细请参阅“1 汽车系统连接”（下一页）。

注意

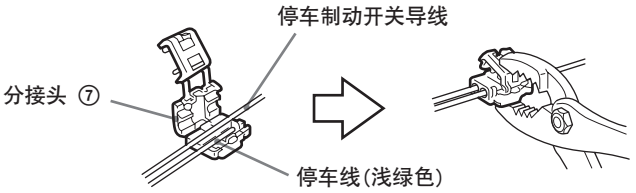
- 务必在所有其他电线已连接后再连接电源输入线。
- 如果停车制动开关导线太细，则不要使用分接头，直接把停车线连到停车制动开关导线。

连接各线

使用分接头连接各线，并参阅下表或“1 汽车系统连接”（下一页）连接。

主机方面	汽车方面
橙色/白色	照明信号线
紫色/白色	后灯的电源线
浅绿色	停车制动开关导线

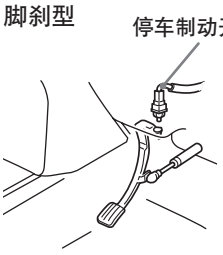
使用分接头



连接停车线

停车制动开关导线的固定位置和您的汽车有关。详细请参阅下面的系统连接图，并向汽车经销商或您附近的 Sony 经销商咨询。

脚刹型



手刹型

使后摄影机操作得更好的导线

紫色/白色线(应用于连接后灯电源的线)

假如您将紫色/白色线连接至后灯电源线，当后灯点亮时后摄影机上的影像将自动显示于监视器。您可以在后援时看着后摄影机的影像调整停车位置。

1 汽车系统连接

请必须参阅系统中所有其他部件的说明书。
请必须参阅第 6 页的“连接信息”。
- 除了随机附件外，在此所列的部件必须另购。当连接此类部件时，务必参阅其所附的说明书。有关另购部件的规格和其他信息，请与经销商联系。

防止短路引起事故
为了防止短路引起事故，只有在其他线路连接完后才能连接电源线（红色和黄色），并且点火钥匙必须在 OFF 位置。否则，意外的短路可能引起触电和严重的损坏。

当保险丝熔化时，在更换保险丝之前请先检查线路并确定问题原因。当更换保险丝时，请务必使用相同规格的保险丝（电流规格）。使用不同的保险丝或用电线连接是非常的危险，亦有可能引起严重的损坏。

务必连接下列所有导线。
否则，可能导致触电、设备损坏或故障。
- 连接紫色/白色导线至汽车的后灯。
- 连接橙色/白色导线至汽车的照明信号。
- 连接浅绿色导线至汽车的停车制动开关导线。
- 连接黄色导线至汽车的电池电源。
- 连接红色导线至汽车的辅助电源。
- 连接黑色导线至汽车底盘的金属点上。

* **请勿混淆黄色和红色导线，这将引起记忆体内容丢失。**

请遵守下列的注意事项。
否则，可能引起触电、设备损坏或故障。
- 用电工胶带缠好不用的连接器以防意外接触。
- 使 FM/AM 天线电缆、总线电缆、RCA 互连器和电源线相互之间尽量远离，以防止噪音干扰。
- 当断开总线电缆或其他电缆时，必须拿住连接器，不要拉电缆。否则，电缆可能断开。

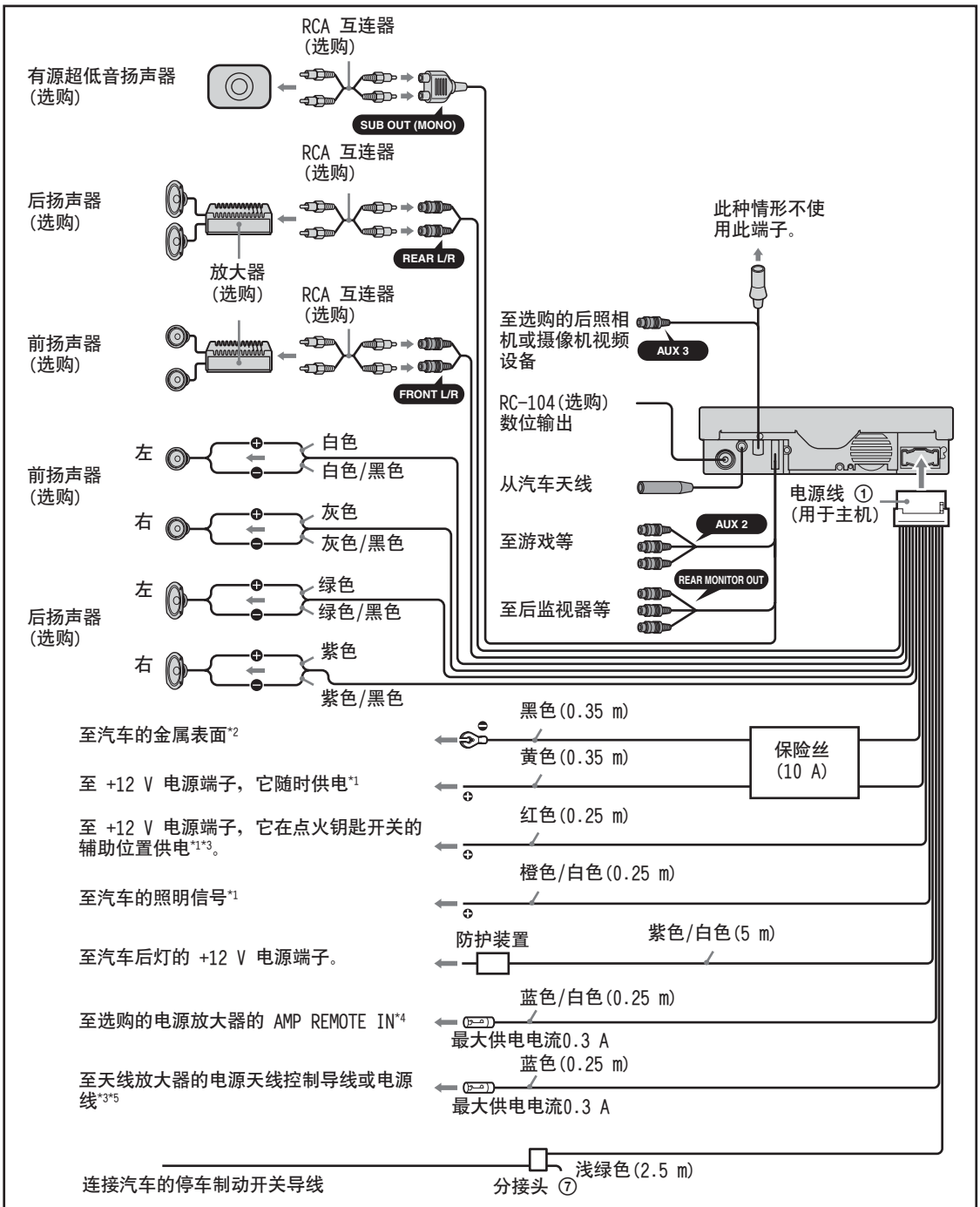
控制部件和电源线注意事项
- 当打开调谐器时，电源天线控制导线（蓝色）提供 +12 V 直流电源。
- 当您的汽车在后/侧玻璃上有内置 FM/AM 天线时，请把电源天线控制导线（蓝色）或辅助电源线（红色）连接至现有天线放大器的电源端子上。详细请向经销商咨询。
- 没有中继盒的电源天线不能与本机一起使用。

记忆保持连接
当连接黄色电源线时，即使点火钥匙关闭，将一直向记忆电路供电。

扬声器连接注意事项

- 在连接扬声器之前，请关闭本机。
- 使用 4–8Ω 扬声器阻抗切换，并有足够的电源处理容量以防损坏。
- 不要把扬声器端子连接到汽车外壳上，或把左右扬声器的端子相连。
- 不要把本机的地线和扬声器的负 ⊖ 端子相连。
- 不要企图并联扬声器。
- 只能连接无源扬声器。把有源扬声器（带内置放大器）连接到扬声器端子可能会损坏本机。
- 避免发生故障，如果左右扬声器共用一公共负 ⊖ 导线，不要使用安装在汽车里的内置扬声器电线。
- 不要相互连接本机的扬声器电线。

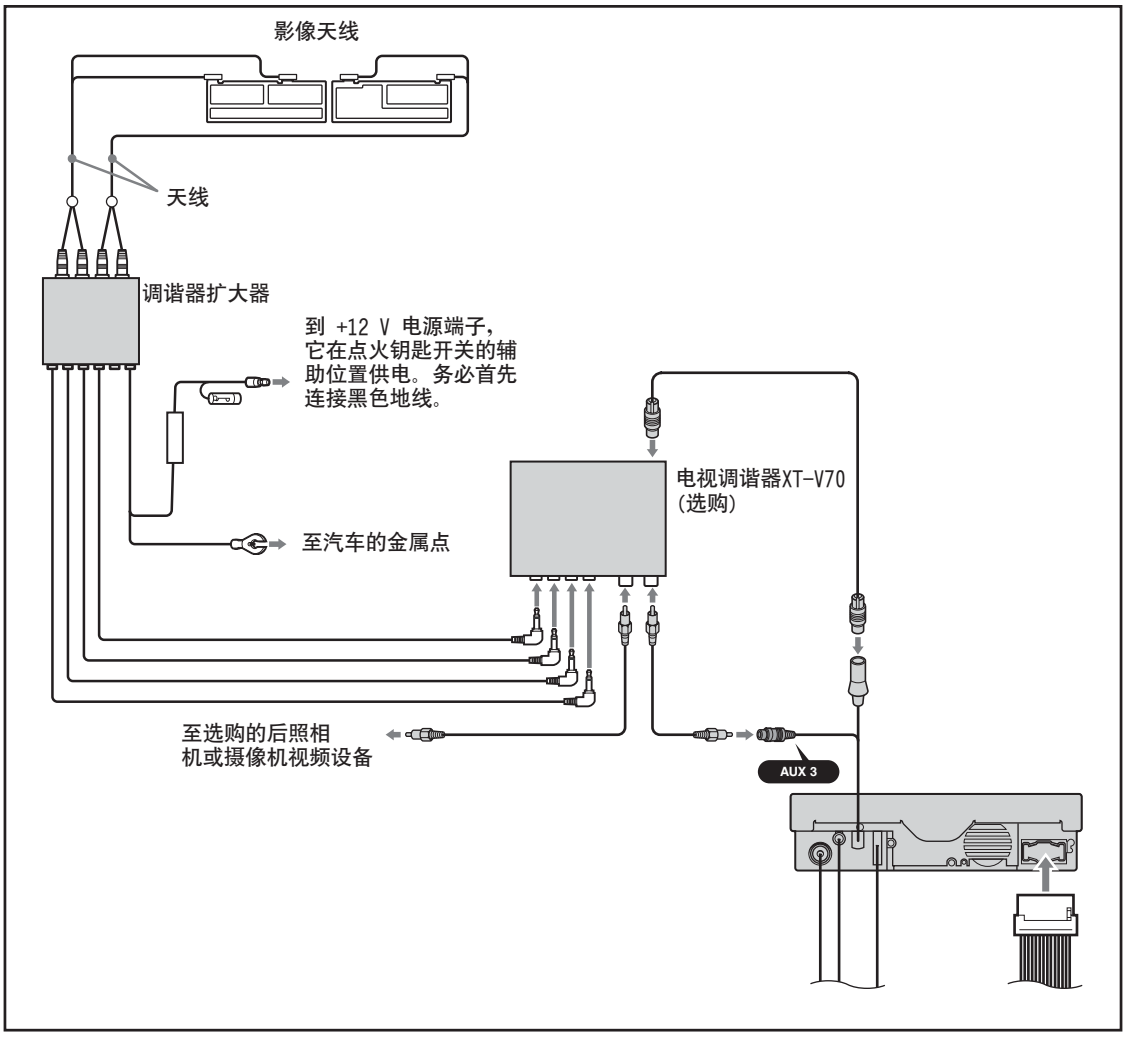
连接不带另购电视调谐器



*1 务必首先连接黑色地线。
*2 首先连接黑色地线，然后连接黄色和红色电源输入线。
*3 当您的汽车在后/侧玻璃上有内置FM/AM 天线时，请参阅“控制部件和电源线注意事项”（第 7 页）。
*4 此连接只能用于放大器，连接任何其他系统可能损坏本机。
*5 如果没有电源天线或天线放大器，或带一手动的可伸缩天线时，不需要连接此导线。

辅助电源输入线(红色)注意事项
如果没有辅助位置，请连到 +12 V 电源（电池）端子上，它随时供电。

连接另购的电视调谐器


影像天线
天线
调谐器扩大器
到 +12 V 电源端子，
它在点火钥匙开关的辅
助位置供电。务必首先
连接黑色地线。
至汽车的金属点
电视调谐器XT-V70
（选购）
至选购的后照相
机或摄像机视频设备
AUX 3

2 安装主机

安装角度
本机的安装角度应为水平 30 度之内。如果超过这一角度，监视器可能无法正常打开或收回。

所有的连接完毕后，将本机安装至仪表板。

安装之前

本机的设计是十分安全，但若安装不正确，将会引起事故。在安装前请务必确认下列各项。
把主机安装到仪表板上。并把放大器安装至副驾驶座下面等。

- 假如打开的监视器靠近空调出风口，应关闭出风口。
- 监视器打开时不应妨碍危急开关或其他重要控制部件的使用。
- 请勿将本机（监视器）安装在高温或低温的位置。（否则，外壳可能变形，将损坏液晶显示屏。）
  受到阳光直射也会导致高温，须以避免。

选择安装位置

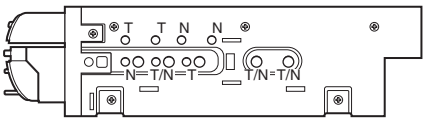
1 把点火钥匙设为 OFF 或取下。

2 把设备放入计划好的安装位置，检查电缆长度和监视器安装条件。

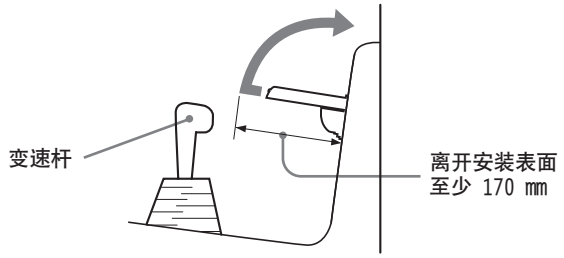
注意
把设备和连接电缆分开。

安装前注意事项

- 请仔细进行安装。摔落本机或使其受到强力冲击或压力可能使底座变形，导致监视器装载机构故障或其他故障。



- 要使监视器正确打开和关闭，变速杆最靠近位置和本机安装表面之间必须至少有 170 mm 的间隙。



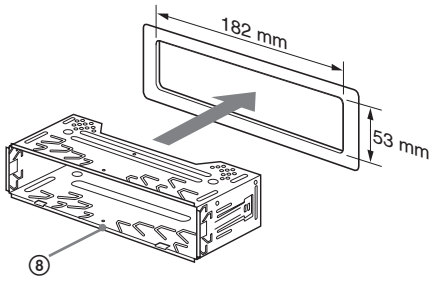
- 在某些情况下，当变速杆移到某一个位置时，可能和监视器相碰。请确保这不会妨碍驾驶。
- 当本机和其他汽车音讯设备（单个 DIN 槽尺寸）一起以堆叠形式安装时，请把主机安装在顶部。

安装过程

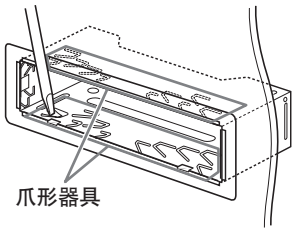
安装示例

在安装此机时，务必关闭本机的监视器。
在安装时如果监视器打开且用力过度，可能发生故障。

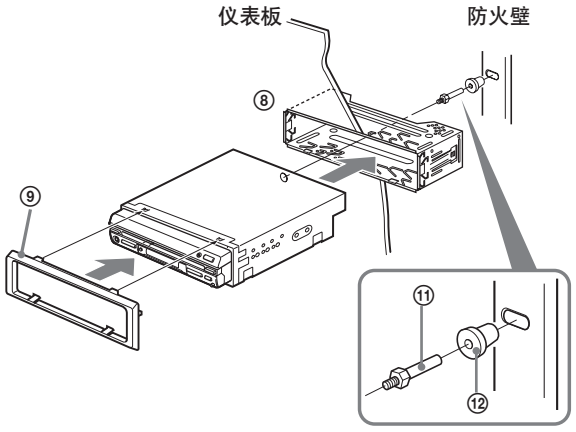
1



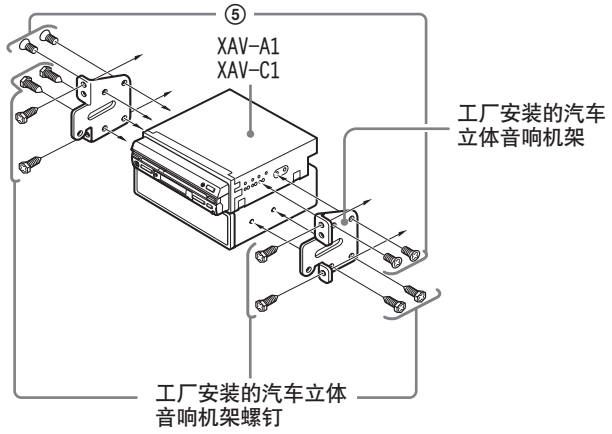
2



3

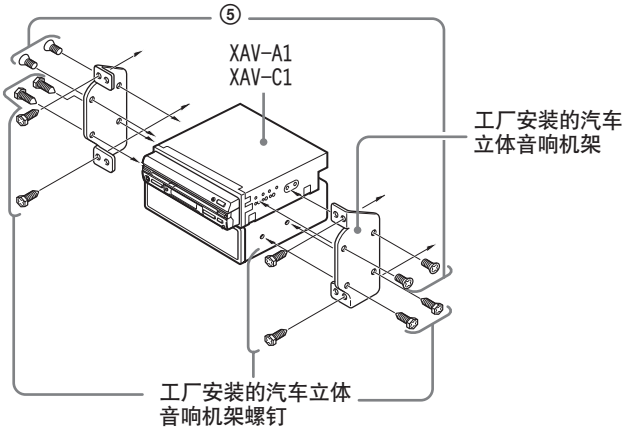


丰田汽车(插图显示的是丰田汽车的连接示例)
把工厂安装的汽车立体音响机架和主机侧面标有“T”的安装孔对准，使用附带的螺钉安装机架。有关丰田汽车，请使用附带的螺钉⑤。

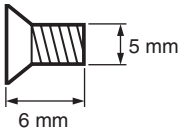


注意
- 安装期间不要按本机前面板上的按钮，不要用力太强。
- 不要在本机顶上放置任何物体。
- 假如机架的突出部分因其形状而碰到本机，及造成不容易连接时，磨除突出物处理。

日产汽车
把工厂安装的汽车立体音响机架和主机侧面标有“N”的安装孔对准，使用附带的盘头螺钉 ⑤ 安装机架。



* 务必只使用附带的盘头螺钉 ⑤ 进行安装。如果使用其他螺钉，请确保它们符合下图的要求。
使用较长的螺钉可能使本机内部受损。



如果螺钉直接装在本机上而不使用工厂安装的汽车立体音响机架，也可能造成损坏。

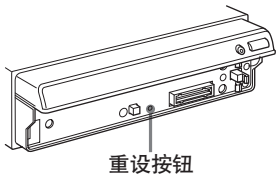
3 安装和连接以后

注意
为防止损坏，不应使用针或过度用力按按钮。

1 **启动汽车引擎。**

2 **确认刹车灯、其他灯、喇叭、转向指示灯和所有其他电气部件工作正常。**

3 **使用自动铅笔或类似物体按本机的重设按钮。**



当按下重设按钮时，系统可以操作。

http://www.sony.net/
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2RR6P12A22803B